

Spiral Review #3

Past due on _____ Period _____

Find the distance between each pair of points.
Round your answer to the nearest tenth.

1) $(-12, 13), (-2, -12)$

Find the midpoint of the line segment with the given endpoints.

2) $(13, -14), (1, -11)$

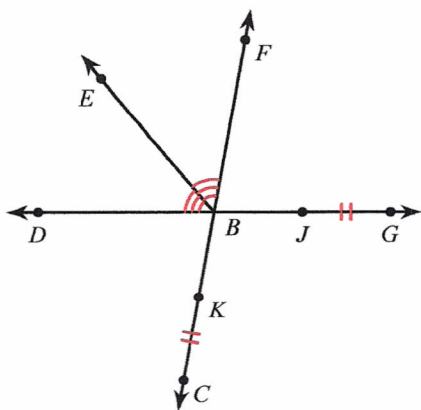
Write the slope-intercept form of the equation of the line described.

3) through: $(-5, -3)$, parallel to $y = \frac{7}{5}x + 3$

4) through: $(1, -2)$, perp. to $y = \frac{3}{4}x - 1$

Refer to the diagram given for problems 6 – 10. (There is nothing to do for #5.)

5)



6) Does \overrightarrow{BE} bisect $\angle DBF$? Explain your reasoning.

7) What segments and angles are congruent according to the marks on the diagram?

8) Identify/name two pairs of vertical angles

9) Identify/name all straight angles

10) Identify/name a linear pair of angles

The endpoints of an angle are given. What are the coordinates of the angle's endpoints after the given translation?

11) translation: 4 units left and 5 units up
 $H(-1, -4), G(1, -1), I(3, -5)$

12) translation: 5 units right and 2 units down
 $W(-4, 2), S(-2, 3), M(-1, -2)$

Identify the angle pair shown: alternate exterior, alternate interior, complementary, corresponding, linear pair, or vertical angles. Then set up and solve an equation to find the value of x .

